HD Visual Communication Systems



Powerful, Compact, and Stylish

The PCS-XA80 and PCS-XA55 HD Desktop Visual Communication Systems

Attractive Additions to Your Desktop

Package Configurations

	PCS-XA80	PCS-XA55
	High-end HD Desktop Package	High-performance HD Desktop Package
Feature Comparison		
MCU Option*1	Yes	No
DSG Option*2	Yes	Yes
Dual Network Ports	Yes	No
Maximum Bandwidth	10 Mbps	4 Mbps
S-Video In	Yes	No
TABLET/OPTION/EXT Ports	3	1
AUX Audio In	2	1
Echo Canceller Mic (PCSA-A7P4)	Yes	No
Package Configurations		
HD Codec Unit	PCS-XG80S	PCS-XG55S
HD Camera Unit	PCSA-CXA55	PCSA-CXA55
RF Remote Commander	PCS-RF1	PCS-RF1

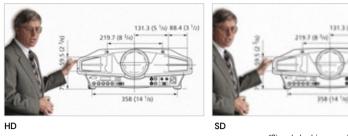
^{*1} Requires the PCSA-MCG80

^{*2} Requires the PCSA-DSG80

Key Features

Stunning 720p High-definition (HD) Images

The PCS-XA80 and the PCS-XA55 adopt the H.264 video codec, which enables efficient transmission of high-quality images at up to 60 fps in a high-definition resolution of 1280 x 720 pixels. Stunning HD video enhances your videoconferencing with lifelike images for effective communication.



(Simulated images)

Superb Audio Quality

The units produce clear and natural stereo sound, using the MPEG-4 AAC compression format. Since the each has a built-in stereo echo canceller, which eliminates the annoying echo often heard with other systems, communication sounds far more natural.

ITU-T H.239 Support - Presentation Data Transferred at 30 fps*

With support for the ITU-T H.239 (video and presentation data) standard, the PCS-XA80 and the PCS-XA55 can send both the video and presentation data that is displayed on your PC to videoconferencing counterparts for more effective communication.

Presentation data can be transferred at frame rates as high as 30 fps*, providing natural and smooth presentations even when using animation effects or showing videos from your PC. This presentation data can also be shown either from a projector or a sub display, using the RGB output.

* Requires optional PCSA-DSG80 software. These functions are available except when using the 720/60p video formats.

IP Network PCS-XA55 PCS-XA80

Compact and HD High-quality 8-megapixel Pixel CMOS Camera Unit (PCSA-CXA55)

The PCS-XA80 and the PCS-XA55 have a dedicated compact HD camera (PCSA-CXA55) with eight mega pixel CMOS sensor that brings you high-quality HD images at a resolution of in 1280 x 720 pixels, as smooth as 30 fps. They attach to a wide variety of displays in your office, so this HD visual communication system doesn't disturb or alter your existing office aesthetics.

Covering an 80.1 degree wide angle, this HD camera has a lot of useful features, such as an electrical zoom(x3) capability, manual pan/tilt function, and privacy shutter.



Kiosk Mode

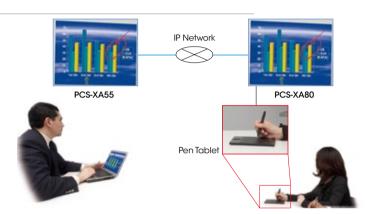
The PCS-XA80 and the PCS-XA55 have a convenient Kiosk mode that can be used to provide unattended services for applications such as remote consulting or customized distance learning. This mode not only provides a user-friendly interface for customers, but is also a delight for system integrators because it is both easy to configure and flexible. For example, up to four locations can be preset and customized thumbnail images can be designed



Video Annotation Function*

For effective communication, the PCS-XA80 and the PCS-XA55 offer a useful video annotation function. Conference participants can clearly point out specific parts of shared data, including live images and presentation data, by simply by writing on a tablet. This function helps minimize the time and effort required to communicate, enabling you to deliver clear, strong messages.

* Requires an optional third-party pen tablet device.



Enhanced Intelligent QoS™ Functions for Stable and Secure Videoconferencing

To handle the transmission of large amounts of HD video data, while maintaining high-quality and stable communication over an IP network, the units incorporate the following advanced Quality of Service (QoS) functions:

- Adaptive FEC (Forward Error Correction)
- Real-time ARQ™ (Automatic Repeat reQuest)
- · ARC (Adaptive Rate Control)

These functions work in harmony for fast and consistent data throughput during the transmission of video signals, by adapting to any changes in network condition, and correcting any packet loss.



With Enhanced Intelligent QoS



Without Enhanced Intelligent QoS

(Simulated images)

Multi-point Connection - Embedded MCU*

Using optional PCSA-MCG80 MCU software, the PCS-XA80 can be configured to communicate simultaneously with up to five remote videoconferencing sites (six sites in total), using either an IP (H.323 protocol) or ISDN (H.320 protocol) connection.

* Available for the PCS-XA80 only.

Simple Setup and Easy Operation

The units have been thoughtfully designed with an intuitive GUI, which includes a simple layer structure with translucent cascading menus. This provides simple functionality – users find it very easy to operate the entire videoconferencing system, including the camera.

One-touch Dialing With the RF Remote Commander Unit

For user convenience, the PCS-XA80 and PCS-XA55 adopt an RF Remote Commander unit which you do not have to point directly towards the system. What's more, the units have a convenient One-touch Dialing feature, which gives you easy connection to any of your registered contacts – just at the touch of a function button on the RF Remote Commander unit (this button corresponds to a thumbnail image on the GUI). Up to four contacts for one-touch dialing can be shown on the home menu from a maximum of 1,000 registered contacts.

Other Features

- Memory Stick™ recording video/presentation data (including annotations) and audio can be recorded for later review
- Presentation data can be sent as a single stream by selecting the RGB input
- Built-in streaming function for multicasting to large audiences
- · Support for IPv6
- Support for H. 460 Firewall Traversal
- Up to 100 camera preset positions can be stored, each with a thumbnail image for easy recall

Videoconferencing for Our Environment

You can help reduce CO₂ emissions and support our environment by using videoconferences in lieu of business travel. Sony HD visual communication systems can make you feel as if you are communicating in the same room. Stay in touch, travel less, and save our earth. Sony has an answer.

Optional Accessories



PCSA-MCG80 HD MCU Software* *PCS-XA80 only



PCSA-DSG80 HD Data Solution Software (for H.239 video and presentation data)



PCSA-B768S ISDN I/F Box 768Kbps



PCSA-B384S ISDN I/F Box 384Kbps



PCS-A1
Omnidirectional Microphone

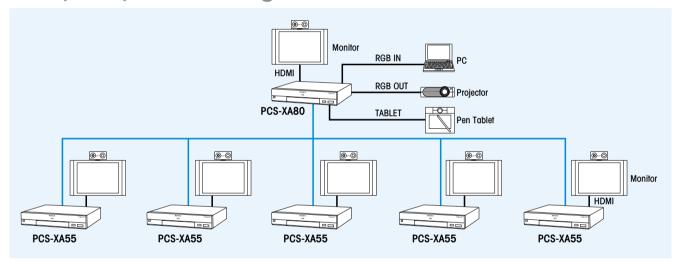


PCSA-A3 Unidirectional Microphone



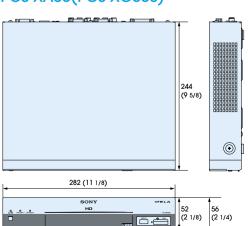
PCSA-A7P4
Echo cancelling microphone*
(4 units package)
*PCS-XA80 only

Sample System Configuration

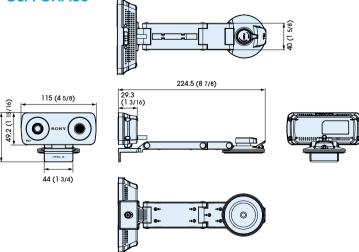


Dimensions

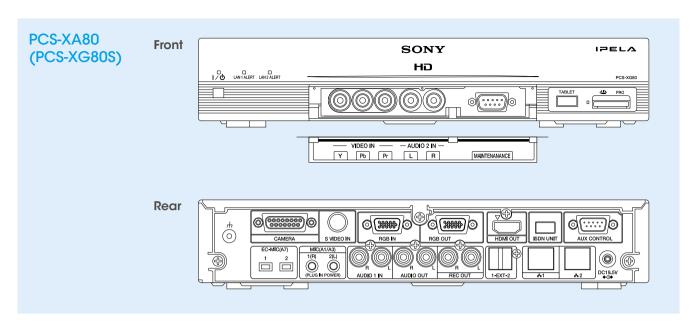


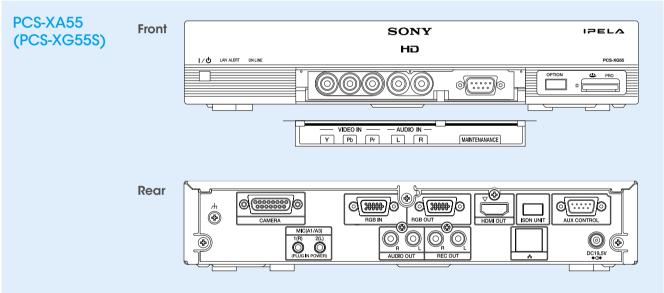






Connector Panels





Specifications

HD Camera Unit

PCSA-CXA55		
1/3.2-type 8 Megapixels CMOS image sensor		
Approx. 6.0 Megapixels (16:9)		
100 positions (Saved in Main Unit)		
Auto / Manual		
Auto (Auto Gain Control)		
f=2.9mm (F2.8)		

Zoom ratio	3x digital zoom	
Pan / Tilt angle	Manual Pan±20° / Tilt±20°	
Horizontal viewing angle	Approx. 80.1°	
S/N Ratio	50 dB	
Power	Supplied from Codec Unit	
Other features	Auto White Balance, Backlight Compensation	

Specifications

HD Codec Unit

Video	PCS-XA80 (PCS-XG80S)	PCS-XA55 (PCS-XG55S)
Communication protocol standards	H.320, H.323, IETF SIP	H.320, H.323, IEFT SIP
Compression standard	H.261, H.263, H.263+, H.263++, H.264, MPEG-4 Video (SIP only)	H.261, H.263, H.263+, H.263++, H.264, MPEG-4SP@L3 (SIP only)
esolution	4:3 - QCIF (176 x 144), CIF (352 x 288), 4CIF (704 x 576)	4:3 - QCIF (176 x 144), CIF (352 x 288), 4CIF (704 x 576)
	16:9 - wClF/w288p (512 x 288), w432p (768 x 432), w4ClF (1024 x 576), 720p (1280 x 720)	16:9 - wClF/w288p (512 x 288), w432p (768 x 432), w4ClF (1024 x 576), 720p (1280 x 720)
Maximum frame rate	Max. 60fps: H.264 - 720p	Max. 60fps: H.264 - 720p
	Max. 30fps: H.261 - QCIF, CIF	Max. 30fps: H.261 - QCIF, CIF
	H.263 - QCIF, CIF	H.263 - QCIF, CIF
	H.264 - QCIF, CIF, 4CIF, wCIF, w432p, w4CIF	H.264 - QCIF, CIF, 4CIF, wCIF, w432p, w4CIF Max. 10fps: H.263 - 4CIF
	Max. 10fps: H.263 - 4CIF	
it rate	IP - 64 kb/s to 10 Mb/s	IP - 64 kb/s to 4 Mb/s
	ISDN - 56 kb/s to 768 kb/s (with optional PCSA-B768S), 56 kb/s to 384 kb/s (with optional PCSAB384S)	ISDN - 56 kb/s to 768 kb/s (with optional PCSA-B768S), 56 kb/s to 384 kb/s (with optional PCSA-B384S)
Audio	30 kb/s 10 304 kb/s (Will Optional Posabso43)	30 kb/s 10 304 kb/s (Willi Opilolidi PG3A-B3043)
	MDEO 4 AAO Charasa 00 lilla ak 100 lik (s. (ID aas k.)	MDEC 4 AAC Storog, 20 kHz et 100 kb/s (ID only)
andwidth and coding	MPEG-4 AAC Stereo: 22 kHz at 192 kb/s (IP only) MPEG-4 AAC Mono: 14 kHz at 48 kb/s, 64 kb/s, 96 kb/s	MPEG-4 AAC Stereo: 22 kHz at 192 kb/s (IP only) MPEG-4 AAC Mono: 14 kHz at 48 kb/s, 64 kb/s, 96 kb/s
	MPEG-4 AAC MONO: 14 KHZ Q1 46 KD/S, 64 KD/S, 96 KD/S MPEG-4 AAC Mono: 22 kHz qt 96 kb/s (IP only)	MPEG-4 AAC MOTO: 14 kHz dt 46 kb/s, 64 kb/s, 96 kb/s MPEG-4 AAC Mono: 22 kHz dt 96 kb/s (IP only)
	G.711: 3.4 kHz at 56 kb/s, 64 kb/s	G.711: 3.4 kHz at 56 kb/s, 64 kb/s
	G.722: 7.0 kHz at 48 kb/s, 56 kb/s, 64 kb/s	G.722: 7.0 kHz at 48 kb/s, 56 kb/s, 64 kb/s
1 0 0	G.728: 3.4 kHz at 16 kb/s	G.728: 3.4 kHz at 16 kb/s
cho cancellation	Stereo echo-canceling supported	Stereo echo-canceling supported
	Noise reduction included	Noise reduction included
	Automatic gain control included	Automatic gain control included
letwork		
rotocol	TCP/IP, UDP/IP, RTP/RTCP, DHCP, DNS, TELNET, SSH, HTTP, SNMP, NTP, ARP, PPPoE, UPnP	TCP/IP, UDP/IP, RTP/RTCP, DHCP, DNS, TELNET, SSH, HTTP, SNMP, NTP, ARP, PPPC UPnP
QoS (Quality of Service)	Adaptive FEC (Forward Error Correction), Real-time ARQ (Auto Repeat reQuest),	Adaptive FEC (Forward Error Correction), Real-time ARQ (Auto Repeat reQuest),
aco (dudiny or corvice)	ARC (Adaptive Rate Control), IP Precedence, DiffServe	ARC (Adaptive Rate Control), IP Precedence, DiffServe
Others network features	NAT, UDP shaping, TCP/UDP port setting, Auto gatekeeper discovery, Packet	NAT, UDP shaping, TCP/UDP port setting, Auto gatekeeper discovery, Packet
onicis network redidies	reordering, URI Dialing, IPv6	reordering, URI Dialing, IPv6
itandards	,g,g,	
TU-T	H.221, BONDING, H.225.0, H.231, H.241, H.242, H.243, H.245, H.350, H.460.18,	H.221, BONDING, H.225.0, H.231, H.241 H.242, H.243, H.245, H.350, H.460.18
excludes audio/video standards)	H.460.19	H.460.19
		100.000.00
ETF	RFC2190, RFC3016, RFC3047, RFC3261, RFC3264, RFC3550, RFC3984, RFC4573, RFC4587, RFC4629, RFC4856, RFC4628, RFC5168	RFC2190, RFC3016, RFC3047, RFC3261, RFC3264, RFC3550, RFC3984, RFC45 RFC4587, RFC4629, RFC4856, RFC4628, RFC5168
nomintian	H.233, H.234, H.235 ver.3	H.233, H.234, H.235 ver.3
ncryption		
ar end camera control	H.224, H.281	H.224, H.281
creen Layout		
	Full screen, Picture-in-Picture, Picture-and-Picture, Side-by-Side split screen	Full screen, Picture-in-Picture, Picture-and-Picture, Side-by-Side split screen
Data Sharing		
	H.239 (video and presentation data)*	H.239 (video and presentation data)*
ip Synchronization		
	ON/OFF	ON/OFF
Mic off Function		
		ON/OFF
	ON/OFF	
	ON/OFF	
nterface		D-Suh 15-nin Dedicated Camera I/E x 1 V/Ph/Pr x 1 RGR (D-suh 15) x 1
nterface ideo input	D-Sub 15-pin Dedicated Camera I/F x 1, S-Video x 1, Y/Pb/Pr x 1, RGB (D-sub 15) x 1	D-Sub 15-pin Dedicated Camera I/F x 1, Y/Pb/Pr x 1, RGB (D-sub 15) x 1
nterface ideo input ideo output	D-Sub 15-pin Dedicated Camera I/F x 1, S-Video x 1, Y/Pb/Pr x 1, RGB (D-sub 15) x 1 HDMI (video, audio) x 1, RGB x 1	HDMI (video, audio) x 1, RGB x 1
nterface Video input Video output	D-Sub 15-pin Dedicated Camera I/F x 1, S-Video x 1, Y/Pb/Pr x 1, RGB (D-sub 15) x 1 HDMI (video, audio) x 1, RGB x 1 External analog microphone input Mini-jack (Plug in power) x 2 (L/R)	HDMI (video, audio) x 1, RGB x 1 External analog microphone input Mini-jack (Plug in power) x 2 (L/R)
nterface Video input Video output	D-Sub 15-pin Dedicated Camera I/F x 1, S-Video x 1, Y/Pb/Pr x 1, RGB (D-sub 15) x 1 HDMI (video, audio) x 1, RGB x 1 External analog microphone input Mini-jack (Plug in power) x 2 (L/R) EC-Mic Input x 2 (PCSA-A7)	HDMI (video, audio) x 1, RGB x 1
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nterface (fideo input (fideo output uudio input uudio output Memory stick letwork control	D-Sub 15-pin Dedicated Camera I/F x 1, S-Video x 1, Y/Pb/Pr x 1, RGB (D-sub 15) x 1 HDMI (video, audio) x 1, RGB x 1 External analog microphone input Mini-jack (Plug in power) x 2 (L/R) EC-Mic Input x 2 (PCSA-A7) Audio Input (MIC/AUX) x 2 (RCA pin, stereo) HDMI (video, audio) x 1, Line Output (RCA pin, stereo) x 1, REC Output (RCA pin, stereo) x 1 Memory Stick/Memory Slick Duo Slot x 1 10BASE-TJ 100BASE-TX x 2, ISDN Unit Interface x 1 RS-232C x 1	HDMI (video, audio) x 1, RGB x 1 External analog microphone input Mini-jack (Plug in power) x 2 (L/R) Audio Input (MiC/AUX) x 1 (RCA pin, stereo) HDMI (video, audio) x 1, Line Output (RCA pin, stereo) x 1, REC Output (RCA pin, stereo) x 1 Memory Stick/Memory Stick Duo Slot x 1 10BASE-T/1/00BASE-TX x 1, ISDN Unit Interface x 1 RS-232C x 1
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nterface lideo input lideo output udio input udio output lemory stick letwork control diantenance interface other interface	D-Sub 15-pin Dedicated Comera I/F x 1, S-Video x 1, Y/Pb/Pr x 1, RGB (D-sub 15) x 1 HDMI (video, audio) x 1, RGB x 1 External analog microphone input Mini-jack (Plug in power) x 2 (L/R) EC-Mic Input x 2 (PCSA-A7) Audio Input (MIC/AUX) x 2 (RCA pin, stereo) HDMI (video, audio) x 1, Line Output (RCA pin, stereo) x 1, REC Output (RCA pin, stereo) x 1 Memory Stick/Memory Stick Duo Slot x 1 10BASE-T/100BASE-TX x 2, ISDN Unit Interface x 1 RS-232C x 1	HDMI (video, audio) x 1, RGB x 1 External analog microphone input Mini-jack (Plug in power) x 2 (L/R) Audio Input (MIC/AUX) x 1 (RCA pin, stereo) HDMI (video, audio) x 1, Line Output (RCA pin, stereo) x 1, REC Output (RCA pin, stereo) x 1 Memory Stick/Memory Stick Duo Slot x 1 10BASE-T/1 ODBASE-TX x 1, ISDN Unit Interface x 1 RS-232C x 1 RS-232C x 1
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Interface Ideo input Ideo output Ideo outp	D-Sub 15-pin Dedicated Camera I/F x 1, S-Video x 1, Y/Pb/Pr x 1, RGB (D-sub 15) x 1 HDMI (video, audio) x 1, RGB x 1 External analog microphone input Mini-jack (Plug in power) x 2 (L/R) EC-Mic Input x 2 (PCSA-A7) Audio Input (MIC/AUX) x 2 (RCA pin, stereo) HDMI (video, audio) x 1, Line Output (RCA pin, stereo) x 1, REC Output (RCA pin, stereo) x 1 Memory Stick/Memory Stick Duo Slot x 1 10BASE-T/100BASE-TX x 2, ISDN Unit Interface x 1 RS-232C x 1 RS-232C x 1 Tablet Interface x 1 5 to 35 °C (41 to 95 °F) 20 to 80% (non condensing)	HDMI (video, audio) x 1, RGB x 1 External analog microphone input Mini-jack (Plug in power) x 2 (L/R) Audio Input (MIC/AUX) x 1 (RCA pin, stereo) HDMI (video, audio) x 1, Line Output (RCA pin, stereo) x 1, REC Output (RCA pin, stereo) x 1 Memory Stick/Memory Stick Duo Slot x 1 10BASE-T/100BASE-TX x 1, ISDN Unit Interface x 1 RS-232C x 1 Tablet Interface x 1 5 to 35 °C (41 to 95 °F) 20 to 80% (non condensing)
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Interface Ifideo input Ifideo output Ideo	D-Sub 15-pin Dedicated Camera I/F x 1, S-Video x 1, Y/Pb/Pr x 1, RGB (D-sub 15) x 1 HDMI (video, audio) x 1, RGB x 1 External analog microphone input Mini-jack (Plug in power) x 2 (L/R) EC-Mic Input x 2 (PCSA-A7) Audio Input (MIC/AUX) x 2 (RCA pin, stereo) HDMI (video, audio) x 1, Line Output (RCA pin, stereo) x 1, REC Output (RCA pin, stereo) x 1 Memory Stick/Memory Stick Duo Slot x 1 10BASE-T/100BASE-TX x 2, ISDN Unit Interface x 1 RS-232C x 1 RS-232C x 1 Tablet Interface x 1 5 to 35 °C (41 to 95 °F) 20 to 80% (non condensing) -20 to 60 °C (-4 to 140 °F) 20 to 80% (non condensing) DC 19.5 V (AC Adapter : AC 100 to 240 V, 50/60 Hz) 40 W (the codec only)	HDMI (video, audio) x 1, RGB x 1 External analog microphone input Mini-jack (Plug in power) x 2 (L/R) Audio Input (MIC/AUX) x 1 (RCA pin, stereo) HDMI (video, audio) x 1, Line Output (RCA pin, stereo) x 1, REC Output (RCA pin, stereo) x 1 Memory Stick/Memory Stick Duo Slot x 1 10BASE-T/100BASE-TX x 1, ISDN Unit Interface x 1 RS-232C x 1 Tablet Interface x 1 5 to 35 °C (41 to 95 °F) 20 to 80% (non condensing) -20 to 60 °C (-4 to 140 °F) 20 to 80% (non condensing) DC 19.5 V (AC Adapter: AC 100 to 240 V, 50/60 Hz) 40 W (the codec only) 10 W (the codec only)
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nterface //ideo input //ideo input //ideo output Audio input Audio output Memory stick Network Control Maintenance interface Other interface Operating temperature Operating humidity Storage temperature Storage humidity Ower requirements Ower consumption Ower consumption (stand-by) Dimensions (W x H x D) Mass Supplied Accessories	D-Sub 15-pin Dedicated Camera I/F x 1, S-Video x 1, Y/Pb/Pr x 1, RGB (D-sub 15) x 1 HDMI (video, audio) x 1, RGB x 1 External analog microphone input Mini-jack (Plug in power) x 2 (L/R) EC-Mic Input x 2 (PCSA-A7) Audio Input (MIC/AUX) x 2 (RCA pin, stereo) HDMI (video, audio) x 1, Line Output (RCA pin, stereo) x 1, REC Output (RCA pin, stereo) x 1 Memory Stick/Memory Stick Duo Slot x 1 10BASE-T/100BASE-TX x 2, ISDN Unit Interface x 1 RS-232C x 1 RS-232C x 1 Tablet Interface x 1 5 to 35 °C (41 to 95 °F) 20 to 80% (non condensing) -20 to 60 °C (-4 to 140 °F) 20 to 80% (non condensing) DC 19.5 V (AC Adapter : AC 100 to 240 V, 50/60 Hz) 40 W (the codec only) 10 W (the codec only) 282 x 56 (including rubber feet) x 244 mm (11 1/8 x 2 1/4 x 9 5/8 inches), excl. projections Approx. 2.2 kg (4 lb 14 oz)	HDMI (video, audio) x 1, RGB x 1 External analog microphone input Mini-jack (Plug in power) x 2 (L/R) Audio Input (MIC/AUX) x 1 (RCA pin, stereo) HDMI (video, audio) x 1, Line Output (RCA pin, stereo) x 1, REC Output (RCA pin, stereo) x 1 Memory Stick/Memory Stick Duo Stot x 1 10BASE-T/100BASE-TX x 1, ISDN Unit Interface x 1 RS-232C x 1 RS-232C x 1 Tablet Interface x 1 5 to 35 °C (41 to 95 °F) 20 to 80% (non condensing) -20 to 60 °C (-4 to 140 °F) 20 to 80% (non condensing) DC 19.5 V (AC Adapter: AC 100 to 240 V, 50/60 Hz) 40 W (the codec only) 10 W (the codec only) 282 x 56 (including rubber feet) x 244 mm (11 1/8 x 2 1/4 x 9 5/8 inches), excl. projections Approx. 2.0 kg (4 lb 3 oz)
Interface //ideo input //ideo output //ideo	D-Sub 15-pin Dedicated Camera I/F x 1, S-Video x 1, Y/Pb/Pr x 1, RGB (D-sub 15) x 1 HDMI (video, audio) x 1, RGB x 1 External analog microphone input Mini-jack (Plug in power) x 2 (L/R) EC-Mic Input x 2 (PCSA-A7) Audio Input (MIC/AUX) x 2 (RCA pin, stereo) HDMI (video, audio) x 1, Line Output (RCA pin, stereo) x 1, REC Output (RCA pin, stereo) x 1 Memory Stick/Memory Stick Duo Stot x 1 10BASE-T/100BASE-TX x 2, ISDN Unit Interface x 1 RS-232C x 1 RS-232C x 1 Tablet Interface x 1 5 to 35 °C (41 to 95 °F) 20 to 80% (non condensing) -20 to 60 °C (-4 to 140 °F) 20 to 80% (non condensing) DC 19.5 V (AC Adapter : AC 100 to 240 V, 50/60 Hz) 40 W (the codec only) 10 W (the codec only) 282 x 56 (including rubber feet) x 244 mm (11 1/8 x 2 1/4 x 9 5/8 inches), excl. projections Approx. 2.2 kg (4 lb 14 oz) AC adapter, HDMI cable (3m), RF Remote Commander Unit, Batteries for Remote	HDMI (video, audio) x 1, RGB x 1 External analog microphone input Mini-jack (Plug in power) x 2 (U/R) Audio Input (MIC/AUX) x 1 (RCA pin, stereo) HDMI (video, audio) x 1, Line Output (RCA pin, stereo) x 1, REC Output (RCA pin, stereo) x 1 Memory Stick/Memory Stick Duo Slot x 1 10BASE-T/10BASE-TX x 1, ISDN Unit Interface x 1 RS-232C x 1 RS-232C x 1 Tablet Interface x 1 5 to 35 °C (41 to 95 °F) 20 to 80% (non condensing) -20 to 60 °C (-4 to 140 °F) 20 to 80% (non condensing) DC 19.5 V (AC Adapter: AC 100 to 240 V, 50/60 Hz) 40 W (the codec only) 10 W (the codec only) 12 x 56 (including rubber feet) x 244 mm (11 1/8 x 2 1/4 x 9 5/8 inches), excl. projections Approx. 2.0 kg (4 lb 3 oz) AC adaptor, HDMI cable (3 m), RF Remote Commander Unit, Batteries for Remote
Interface ideo input ideo output udio output udio output lemory stick letwork ontrol latintenance interface ther interface General perating temperature perating humidity lorage temperature torage humidity ower consumption ower consumption ower consumption (stand-by) imensions (W x H x D) lass	D-Sub 15-pin Dedicated Camera I/F x 1, S-Video x 1, Y/Pb/Pr x 1, RGB (D-sub 15) x 1 HDMI (video, audio) x 1, RGB x 1 External analog microphone input Mini-jack (Plug in power) x 2 (L/R) EC-Mic Input x 2 (PCSA-A7) Audio Input (MIC/AUX) x 2 (RCA pin, stereo) HDMI (video, audio) x 1, Line Output (RCA pin, stereo) x 1, REC Output (RCA pin, stereo) x 1 Memory Stick/Memory Stick Duo Slot x 1 10BASE-T/100BASE-TX x 2, ISDN Unit Interface x 1 RS-232C x 1 RS-232C x 1 Tablet Interface x 1 5 to 35 °C (41 to 95 °F) 20 to 80% (non condensing) -20 to 60 °C (-4 to 140 °F) 20 to 80% (non condensing) DC 19.5 V (AC Adapter : AC 100 to 240 V, 50/60 Hz) 40 W (the codec only) 10 W (the codec only) 282 x 56 (including rubber feet) x 244 mm (11 1/8 x 2 1/4 x 9 5/8 inches), excl. projections Approx. 2.2 kg (4 lb 14 oz)	HDMI (video, audio) x 1, RGB x 1 External analog microphone input Mini-jack (Plug in power) x 2 (L/R) Audio Input (MIC/AUX) x 1 (RCA pin, stereo) HDMI (video, audio) x 1, Line Output (RCA pin, stereo) x 1, REC Output (RCA pin, stereo) x 1 Memory Stick/Memory Stick Duo Slot x 1 10BASE-T/100BASE-TX x 1, ISDN Unit Interface x 1 RS-232C x 1 RS-232C x 1 Tablet Interface x 1 5 to 35 °C (41 to 95 °F) 20 to 80% (non condensing) -20 to 60 °C (-4 to 140 °F) 20 to 80% (non condensing) DC 19.5 V (AC Adapter: AC 100 to 240 V, 50/60 Hz) 40 W (the codec only) 10 W (the codec only) 282 x 56 (including rubber feet) x 244 mm (11 1/8 x 2 1/4 x 9 5/8 inches), excl. projections Approx. 2.0 kg (4 lb 3 oz)

^{*} PC images up to SXGA resolution is supported. It requires the optional HD data solution software PCSA-DSG80 to send video and presentation data simultaneously.

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